



BNC Female to SMA Male Right Angle Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet

PE3W08852

Configuration

- Connector 1: BNC Female
- Connector 2: SMA Male Right Angle
- Cable Type: RG178

Features

- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08852 BNC female to SMA male right angle cable using RG178 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack BNC to SMA cable assembly has a female to male gender configuration with 50 ohm flexible RG178 coax. The right angle SMA interface on the RG178 cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.063 lbs [28.58 g]

Cable

Cable Type RG178
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Shield Layer 1 Silver Plated Copper Braid

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female to SMA Male Right Angle Cable Using RG178 Coax PE3W08852](#)



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Jacket Material	FEP, Tan
Jacket Diameter	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Female	SMA Male Right Angle
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating		Brass, Gold
Contact Plating Specification		50 µin minimum
Dielectric Type		PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size		5/16 inch
Torque		3 in-lbs [0.34 Nm]

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W08852

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W08852-12 = 12 inches long cable
PE3W08852-100cm = 100 cm long cable

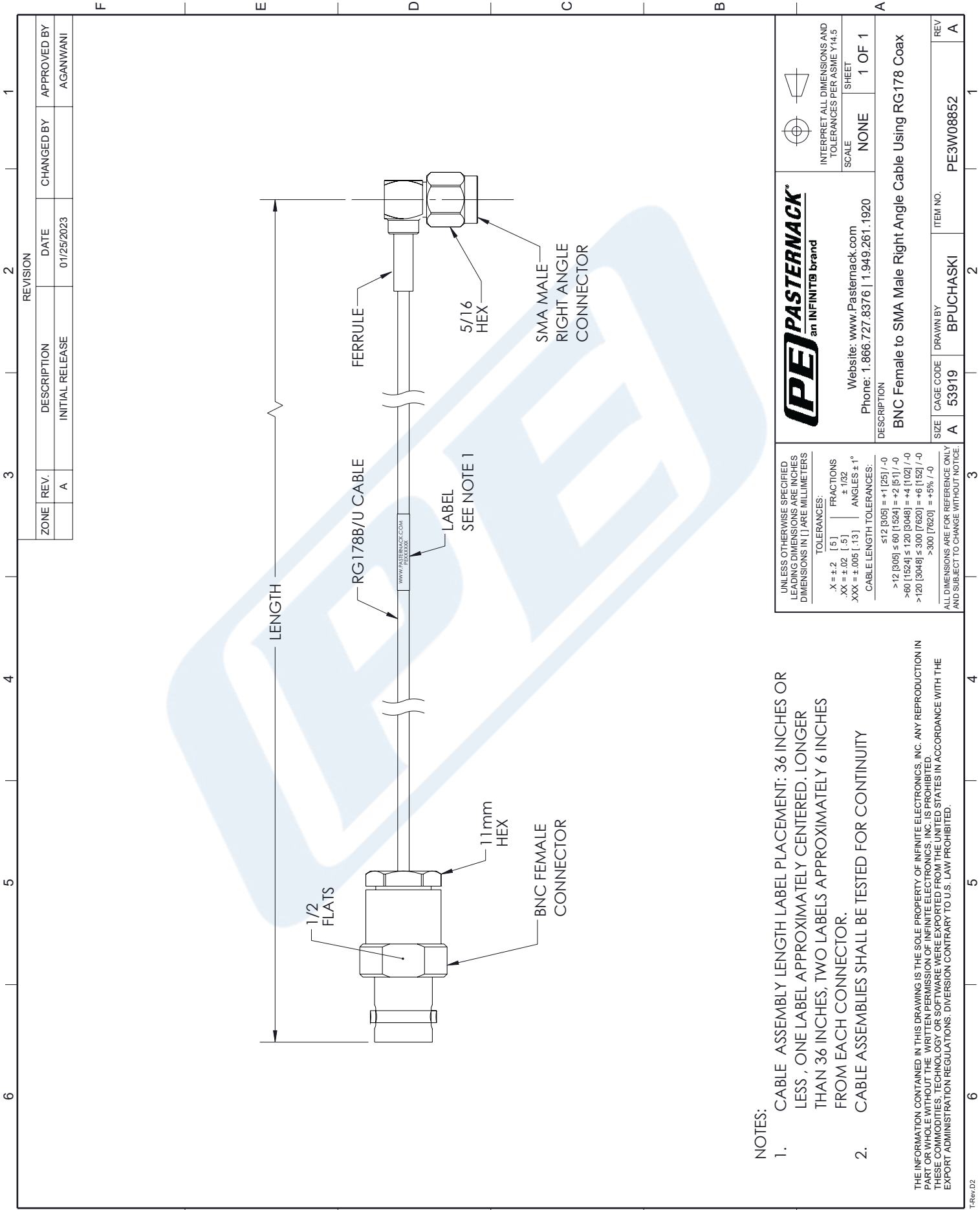
BNC Female to SMA Male Right Angle Cable Using RG178 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female to SMA Male Right Angle Cable Using RG178 Coax PE3W08852](https://www.pasternack.com/bnc-female-to-sma-male-cable-using-rg178-pe3w08852-p.aspx)

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3W08852 CAD Drawing
BNC Female to SMA Male Right Angle Cable Using RG178 Coax



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

DESCRIPTION:
BNC Female to SMA Male Right Angle Cable Using RG178 Coax

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	BPUCHASKI	PE3W08852	A